



200 West Mercer St. • Suite 401 • Seattle, WA 98119  
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July 20, 2012

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Dear Willard,  
Please find our invoice #0612 for Professional Time Rendered from June 1, 2012 to June 30, 2012 for The Passaic RI/FS project.

Task	Amount
Task 11 - Meetings and Communications	1,769.03
Task 16.14 Sm Forage Fish 2010 Tissue Rpt	3,695.13
Task 18.3 Benthic Database Coordination	1,586.20
Task 18.8.2 Lab Coordination	231.75
Task 18.8.3 Database Coordination	113.30
Task 21.7 Avian 2011 Wnt/Spr Report	3,383.55
Task 23.2.4 CBS Spring 2011 Data Report	700.40
Task 26 CPG Strategic Support	4,887.35
Task 32.2 Bioaccumulation Model	6,772.25
Task 36 Initial ERA Framework	968.30
Task 36.1 Screening Assessment TRV Eval	26,692.45
Task 36.2 Initial Benthic Assessment	51,461.98
Task 36.3 Initial Exposure Assessment	27,415.63
Task 36.4 Initial Uncertainty Analysis	1,423.98
Task 37 DO Monitoring Program	8,291.50
	<b>\$ 139,392.80</b>

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## Task 11 - Meetings and Communications

Invoice Date: 6/30/2012

Invoice Number: 10010

Bill To

Passaic RI/FS  
Willard Potter  
186 Center Street Suite 290  
Clinton, NJ 08809

Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Lisa Saban	9	160.00	1,440.00
Karen Tobiason	1.25	150.00	187.50
Chris Nelson	1	90.00	90.00
Subtotal			1,717.50
Computer Markup 3%		3.00%	51.53
Total Labor			1,769.03
Total			\$1,769.03

## Task 16.14 Sm Forage Fish 2010 Tissue Rpt

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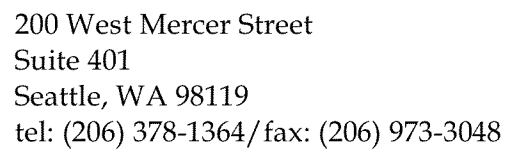
Invoice Date: 6/30/2012

Invoice Number: 10011

Bill To

de maximis, inc.  
Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Jennifer Parker	11.25	150.00	1,687.50
Lucinda Tear	8	150.00	1,200.00
Shana Hinds	3.5	90.00	315.00
Karen Tobiason	1.5	150.00	225.00
Lisa Saban	1	160.00	160.00
Subtotal			3,587.50
Computer Markup 3%		3.00%	107.63
Total Labor			3,695.13
<b>Total</b>			<b>\$3,695.13</b>

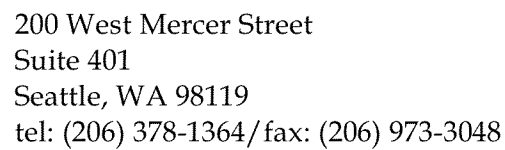


## Invoice Date: 6/30/2012

Invoice Number: 10012

Passaic RI/FS  
Willard Potter  
186 Center Street Suite 290  
Clinton, NJ 08809

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## Invoice Date: 6/30/2012

Invoice Number: 10013

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Willard Potter  
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Clinton, New Jersey 08809

FOIA\_07123\_0005036\_0005

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### Task 18.8.3 Database Coordination

Invoice Date: 6/30/2012

Invoice Number: 10014

Bill To

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Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Thai Do	1	110.00	110.00
Computer Markup 3%		3.00%	3.30
Total Labor			113.30
Total			\$113.30



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Task 21.7 Avian 2011 Wnt/Spr Report

Invoice Date: 6/30/2012

Invoice Number: 10015

Bill To

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Willard Potter  
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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Berit Bergquist	7	150.00	1,050.00
Brian Church	4.25	110.00	467.50
Shana Hinds	4	90.00	360.00
Shannon Katka	6.75	150.00	1,012.50
Karen Tobiason	0.5	150.00	75.00
Lisa Saban	2	160.00	320.00
Subtotal			3,285.00
Computer Markup 3%		3.00%	98.55
Total Labor			3,383.55

**Total** \$3,383.55

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Task 23.2.4 CBS Spring 2011 Data Report

Invoice Date: 6/30/2012

Invoice Number: 10016

Bill To

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Willard Potter  
186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Shana Hinds	1.5	90.00	135.00
Jennifer Parker	1.5	150.00	225.00
Lisa Saban	2	160.00	320.00
Subtotal			680.00
Computer Markup 3%		3.00%	20.40
Total Labor			700.40
<b>Total</b>			<b>\$700.40</b>





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## Task 26 CPG Strategic Support

Invoice Date: 6/30/2012

Invoice Number: 10017

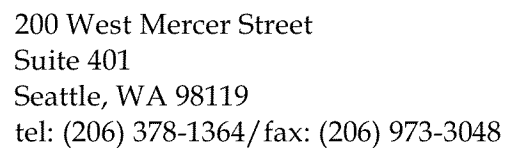
### Bill To

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Willard Potter  
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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Jennifer Parker	9	150.00	1,350.00
Lisa Saban	4	160.00	640.00
Mike Johns	6	170.00	1,020.00
Shannon Katka	1.5	150.00	225.00
Susan McGroddy	6	160.00	960.00
Jessica Huybregts	5	110.00	550.00
Subtotal			4,745.00
Computer Markup 3%		3.00%	142.35
Total Labor			4,887.35

**Total**

**\$4,887.35**



## Invoice Date: 6/30/2012

Invoice Number: 10018

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Willard Potter  
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## Task 36 Preliminary ERA

Invoice Date: 6/30/2012

Invoice Number: 10019

### Bill To

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Willard Potter  
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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Lisa Saban	6	160.00	960.00
Matt Luxon	1	150.00	150.00
Subtotal			1,110.00
Computer Markup 3%		3.00%	33.30
Total Labor			1,143.30
 COSTS			
Travel (BOA6/15/12)		-175.00	-175.00
 <b>Total</b>			 \$968.30



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Task 36.1 Screening Assessment and TRV Ev

Invoice Date: 6/30/2012

Invoice Number: 10020

Bill To

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Willard Potter  
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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
David DeForest	0.25	150.00	37.50
Jessica Huybregts	113.5	110.00	12,485.00
Kim Goffman	38	110.00	4,180.00
Brian Church	0.25	110.00	27.50
Shannon Katka	40.25	150.00	6,037.50
Jennifer Parker	0.5	150.00	75.00
Lisa Saban	6	160.00	960.00
Kim Galimanis	1	110.00	110.00
Shana Hinds	22.25	90.00	2,002.50
Subtotal			25,915.00
Computer Markup 3%		3.00%	777.45
Total Labor			26,692.45

**Total** \$26,692.45



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## Task 36.2 Initial Benthic Assessment

Invoice Date: 6/30/2012

Invoice Number: 10021

### Bill To

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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Brian Church	85	110.00	9,350.00
Kim Goffman	2.5	110.00	275.00
Linda Marsh	72.5	90.00	6,525.00
Lisa Saban	32	160.00	5,120.00
Mike Johns	31	170.00	5,270.00
Nancy Musgrove	54	150.00	8,100.00
Jenny Love	21.25	90.00	1,912.50
Lucinda Tear	52	150.00	7,800.00
Kay Hessemer	20	70.00	1,400.00
Shana Hinds	3.5	90.00	315.00
Jennifer Parker	0.5	150.00	75.00
Subtotal			46,142.50
Computer Markup 3%		3.00%	1,384.28
Total Labor			47,526.78
 COSTS			
Travel (Lisa6/18/12)		20.00	20.00
Travel (BOA6/15/12)		1,569.60	1,569.60
Travel (BOA6/15/12)		1,569.60	1,569.60
Travel (BOA6/15/12)		-477.00	-477.00
Travel (BOA6/15/12)		46.00	46.00

**Total**



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## Task 36.2 Initial Benthic Assessment

Invoice Date: 6/30/2012

Invoice Number: 10021

### Bill To

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Willard Potter  
186 Center Street Suite 290  
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Description	Units	Rate	Amount
Total Costs			2,728.20
PER DIEMS			
Mike Johns		603.50	603.50
Lisa Saban		603.50	603.50
Total			\$51,461.98



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## Task 36.3 Initial Exposure Assessment

Invoice Date: 6/30/2012

Invoice Number: 10022

### Bill To

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186 Center Street Suite 290  
Clinton, New Jersey 08809

Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Berit Bergquist	56	150.00	8,400.00
Suzanne Replinger	48	110.00	5,280.00
Lisa Saban	32	160.00	5,120.00
Brian Church	0.25	110.00	27.50
Mike Johns	21	170.00	3,570.00
Subtotal			22,397.50
Computer Markup 3%		3.00%	671.93
Total Labor			23,069.43
 COSTS			
Travel(BOA6/15/12)		1,569.60	1,569.60
Travel(BOA6/15/12)		1,569.60	1,569.60
Total Costs			3,139.20
 PER DIEMS			
Mike Johns		603.50	603.50
Lisa Saban		603.50	603.50

**Total**

**\$27,415.63**



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## Task 36.4 Initial Uncertainty Analysis

Invoice Date: 6/30/2012

Invoice Number: 10023

### Bill To

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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Lisa Saban	4	160.00	640.00
Suzanne Replinger	6.75	110.00	742.50
Subtotal			1,382.50
Computer Markup 3%		3.00%	41.48
Total Labor			1,423.98
Total			\$1,423.98





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## Task 37 DO Monitoring Program

Invoice Date: 6/30/2012

Invoice Number: 10024

### Bill To

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Description	Units	Rate	Amount
LABOR from June 1, 2012 to June 30, 2012			
Linda Marsh	7	90.00	630.00
Lisa Saban	12	160.00	1,920.00
Thai Do	10.75	110.00	1,182.50
Karen Tobiason	0.5	150.00	75.00
Linda Cognato	13	110.00	1,430.00
Jennifer Parker	18.75	150.00	2,812.50
Subtotal			8,050.00
Computer Markup 3%		3.00%	241.50
Total Labor			8,291.50
Total			\$8,291.50

## PASSAIC RI/FS - PER DIEM TRACKING

### Task 36.2

### June 2012 Invoice

	Lisa Saban	Mike Johns	Total
Monday, June 04, 2012			-
Tuesday, June 05, 2012	175.75	175.75	351.50
Wednesday, June 06, 2012	191.00	191.00	382.00
Thursday, June 07, 2012	191.00	191.00	382.00
Friday, June 08, 2012	45.75	45.75	91.50
Saturday, June 09, 2012			-
Sunday, June 10, 2012			-
<b>TOTAL</b>	<b>603.50</b>	<b>603.50</b>	<b>1,207.00</b>

## PASSAIC RI/FS - PER DIEM TRACKING

### Task 36.3

### June 2012 Invoice

	Lisa Saban	Mike Johns	Total
Monday, June 25, 2012			-
Tuesday, June 26, 2012	175.75	175.75	351.50
Wednesday, June 27, 2012	191.00	191.00	382.00
Thursday, June 28, 2012	191.00	191.00	382.00
Friday, June 29, 2012	45.75	45.75	91.50
Saturday, June 30, 2012			-
Sunday, July 01, 2012			-
<b>TOTAL</b>	<b>603.50</b>	<b>603.50</b>	<b>1,207.00</b>

# Passaic Labor Report

## Task 11 - Meetings and Communications

### Chris Nelson

Date	Hours	Rate	Extended	Notes
6/15/2012	1.00	90.00	\$90.00	Assisting Lisa with budgets
Summary for Chris Nelson	1.00		\$90.00	

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/13/2012	0.25	150.00	\$37.50	Communicate with dmi on figure request
6/14/2012	1.00	150.00	\$150.00	Locate electronic copies of figures of LPRSA sampling efforts for presentation by dmi, update figure titles and send.
Summary for Karen Tobiason	1.25		\$187.50	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/12/2012	2.00	160.00	\$320.00	prepare action items and go over tasks
6/18/2012	4.00	160.00	\$640.00	review tasks and budgets
6/25/2012	2.00	160.00	\$320.00	task management
6/29/2012	1.00	160.00	\$160.00	follow up on tasks with bill
Summary for Lisa Saban	9.00		\$1,440.00	

**Summary for Task 11 - Meetings and Communications**  
**11.25                      \$1,717.50**

## Task 16.14 Sm Forage Fish 2010 Tissue Rpt

### Jennifer Parker

Date	Hours	Rate	Extended	Notes
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6/1/2012	0.25	150.00	\$37.50	Continued to work on SFF data reports to address review comments.
6/4/2012	8.00	150.00	\$1,200.00	Continued to address comments and update RTC table.
6/6/2012	3.00	150.00	\$450.00	Reviewing and addressing technical review comments. Preparing and sending document for dmi review.
Summary for Jennifer Parker				
	11.25		\$1,687.50	

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/5/2012	1.50	150.00	\$225.00	Review changes to small forage fish chemistry report based on CPG comments.
Summary for Karen Tobiason				
	1.50		\$225.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/6/2012	1.00	160.00	\$160.00	final review of SFF rpt and send to dmi
Summary for Lisa Saban				
	1.00		\$160.00	

### Lucinda Tear

Date	Hours	Rate	Extended	Notes
6/4/2012	8.00	150.00	\$1,200.00	add regression equations to SFF size vs. chem graphs
Summary for Lucinda Tear				
	8.00		\$1,200.00	

### Shana Hinds

Date	Hours	Rate	Extended	Notes
6/5/2012	1.00	90.00	\$90.00	Appendix K edit/format
6/6/2012	2.50	90.00	\$225.00	Redline review & edit, clean version & redline for transmittal
Summary for Shana Hinds				
	3.50		\$315.00	
Summary for Task 16.14 Sm Forage Fish 2010 Tissue Rpt				
	25.25		\$3,587.50	

## Task 18.3 Benthic Database Coordination

**Kim Goffman**

Date	Hours	Rate	Extended	Notes
6/5/2012	3.00	110.00	\$330.00	Import lab revisions to 2010 community data; re-calculate metrics.
6/21/2012	4.00	110.00	\$440.00	Review latest ddms portal updates, and identify new/revised datasets. Begin import of LRC SSP data.
6/22/2012	4.00	110.00	\$440.00	Continue import of LRC SSP data.
6/26/2012	3.00	110.00	\$330.00	Continue import work for LRC SSP dataset.
Summary for Kim Goffman				
	14.00		\$1,540.00	
<b>Summary for Task 18.3 Benthic Database Coordination</b>				
	<b>14.00</b>		<b>\$1,540.00</b>	

**Task 18.8.2 Lab Coordination****Jennifer Parker**

Date	Hours	Rate	Extended	Notes
6/5/2012	0.75	150.00	\$112.50	Review of invoices and cost tracking.
6/14/2012	0.50	150.00	\$75.00	Reviewed invoices and tracked costs.
Summary for Jennifer Parker				
	1.25		\$187.50	

**Karen Tobiason**

Date	Hours	Rate	Extended	Notes
6/7/2012	0.25	150.00	\$37.50	Review and approve sample storage invoice from ESI
Summary for Karen Tobiason				
	0.25		\$37.50	
<b>Summary for Task 18.8.2 Lab Coordination</b>				
	<b>1.50</b>		<b>\$225.00</b>	

**Task 18.8.3 Database Coordination****Thai Do**

Date	Hours	Rate	Extended	Notes
6/5/2012	1.00	110.00	\$110.00	Review menthic data collection locations for access for Jim H/Kim

Summary for Thai Do

1.00

\$110.00

**Summary for Task 18.8.3 Database Coordination**

**1.00**

**\$110.00**

## Task 21.7 Avian 2011 Wnt/Spr Report

### Berit Bergquist

Date	Hours	Rate	Extended	Notes
6/6/2012	1.25	150.00	\$187.50	compare 1999/2000 survey data from all seasons to 2010/2011 data from all seasons
6/7/2012	3.00	150.00	\$450.00	respond to CPG comments on avian report; address internal review comments
6/8/2012	2.00	150.00	\$300.00	complete addressing CPG comments on avian report; continue evaluating differences in 1999/2000 and 2010/2011 surveys
6/12/2012	0.50	150.00	\$75.00	compare data
6/13/2012	0.25	150.00	\$37.50	work with Brian on avian comparison graphs
Summary for Berit Bergquist	7.00		\$1,050.00	

### Brian Church

Date	Hours	Rate	Extended	Notes
6/7/2012	2.50	110.00	\$275.00	QC'd data, edited graphics, imported graphics into data report text, and edited text where changes were made to original data (changes have been in graphics)
6/8/2012	0.50	110.00	\$55.00	Updated text and graphics before the release of the bird document
6/13/2012	1.25	110.00	\$137.50	Recreating all graphs from the Winter report using only data from RM 9 and below; this was comparable spatially to the 1999/2000 survey by BBL
Summary for Brian Church	4.25		\$467.50	

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/7/2012	0.50	150.00	\$75.00	Coordinate review of avianreport revised per CPG comments.
Summary for Karen Tobiason	0.50		\$75.00	

**Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/8/2012	2.00	160.00	\$320.00	final review of avian rpt and send to dmi
Summary for Lisa Saban	2.00		\$320.00	

**Shana Hinds**

Date	Hours	Rate	Extended	Notes
6/7/2012	2.50	90.00	\$225.00	Review redline edit
6/8/2012	1.50	90.00	\$135.00	Review redline edit, make clean copy
Summary for Shana Hinds	4.00		\$360.00	

**Shannon Katka**

Date	Hours	Rate	Extended	Notes
6/7/2012	4.50	150.00	\$675.00	review of revised winter/spring avian report edits based on CPG comments, and review RTC responses and overall document for deliverable consistency; write- up summary of kingfisher LPRSA survey study
6/8/2012	2.25	150.00	\$337.50	finalize revised avian report review and submit report for Rob review
Summary for Shannon Katka	6.75		\$1,012.50	
Summary for Task 21.7 Avian 2011 Wnt/Spr Report	24.50		\$3,285.00	

**Task 23.2.4 CBS Spring 2011 Data Report****Jennifer Parker**

Date	Hours	Rate	Extended	Notes
6/1/2012	1.50	150.00	\$225.00	Conducted QC on calculations and addressed technical review comments. Worked with editor to prepare and deliver RTC, RLSO copy, and clean copy of data report to dmi.
Summary for Jennifer Parker	1.50		\$225.00	



**Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/1/2012	2.00	160.00	\$320.00	review cbs - send to dmi
Summary for Lisa Saban	2.00		\$320.00	

**Shana Hinds**

Date	Hours	Rate	Extended	Notes
6/1/2012	1.50	90.00	\$135.00	Final review of redline & RTC, create clean copy
Summary for Shana Hinds	1.50		\$135.00	
<b>Summary for Task 23.2.4 CBS Spring 2011 Data Report</b>	<b>5.00</b>		<b>\$680.00</b>	

**Task 26 CPG Strategic Support****Jennifer Parker**

Date	Hours	Rate	Extended	Notes
6/1/2012	4.00	150.00	\$600.00	Researched and provided summary of porewater in situ and ex situ methods for project managers.
6/14/2012	4.50	150.00	\$675.00	Called dmi to discuss porewater, helped prepare porewater overview memo for dmi. This included summarizing methods and calling labs to determine required sample volumes.
6/25/2012	0.25	150.00	\$37.50	Reviewed tissue figures and gave PM update on existing figures to respond to request from CPG.
6/26/2012	0.25	150.00	\$37.50	Conducted review of fish tissue figures.
Summary for Jennifer Parker	9.00		\$1,350.00	

**Jessica Huybregts**

Date	Hours	Rate	Extended	Notes
6/26/2012	4.00	110.00	\$440.00	Generated tissue concentration by river reach graphs.
6/27/2012	1.00	110.00	\$110.00	Correspondence with Lisa in New Jersey. Responses to data and information requests.
Summary for Jessica Huybregts	5.00		\$550.00	

**Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/1/2012	1.00	160.00	\$160.00	pore water issue
6/28/2012	1.00	160.00	\$160.00	passaic symposium abst
6/29/2012	2.00	160.00	\$320.00	Connolly graphs
Summary for Lisa Saban	4.00		\$640.00	

**Mike Johns**

Date	Hours	Rate	Extended	Notes
6/4/2012	4.00	170.00	\$680.00	Review ERA approach relative to background/reference conditions; respond to requests about changes associated with Tierra leaving group
6/5/2012	2.00	170.00	\$340.00	Additional reply to changes associated with Tierra leaving group
Summary for Mike Johns	6.00		\$1,020.00	

**Shannon Katka**

Date	Hours	Rate	Extended	Notes
6/14/2012	0.50	150.00	\$75.00	review of RM 10.9 preliminary risk evaluation for informing potential porewater analyte/analyte group list
6/25/2012	0.50	150.00	\$75.00	evaluation of tissue concentrations by location - look into previously done work to help create new figures for CPG presentation
6/26/2012	0.50	150.00	\$75.00	review of fish/crab tissue concentration graphs for CPG presentation
Summary for Shannon Katka	1.50		\$225.00	

**Susan McGroddy**

Date	Hours	Rate	Extended	Notes
6/14/2012	4.00	160.00	\$640.00	Porewater memo for Stan and Bill
6/26/2012	2.00	160.00	\$320.00	Figure review. Review statistical approach with Brian.
Summary for Susan McGroddy	6.00		\$960.00	

**Summary for Task 26 CPG Strategic Support**  
**31.50 \$4,745.00**

**Task 32.2 Bioaccumulation Model**

**John Toll**

Date	Hours	Rate	Extended	Notes
6/1/2012	8.00	160.00	\$1,280.00	Worked all day on wrapping up active GSA tasks and preparing PowerPoint slides.
6/4/2012	2.00	160.00	\$320.00	Reviewed GSA presentation materials drafted by staff
6/5/2012	4.00	160.00	\$640.00	The GSA is pushing the computational limits of Excel. Worked with the team to solve the problem.
6/6/2012	1.00	160.00	\$160.00	Worked with staff who'll be coding the GSA tool in VBA to get around Excel computational limits
6/11/2012	0.75	160.00	\$120.00	task oversight
6/15/2012	0.50	160.00	\$80.00	task oversight
Summary for John Toll				
	16.25		\$2,600.00	

**Nancy Judd**

Date	Hours	Rate	Extended	Notes
6/1/2012	2.50	150.00	\$375.00	GSA results, presentation slides
6/4/2012	2.00	150.00	\$300.00	Review GSA results, finish slides for presentation
Summary for Nancy Judd				
	4.50		\$675.00	

**Nate Lewis**

Date	Hours	Rate	Extended	Notes
6/1/2012	3.00	110.00	\$330.00	GSA
6/4/2012	4.00	110.00	\$440.00	GSA
6/5/2012	2.00	110.00	\$220.00	GSA
6/20/2012	4.00	110.00	\$440.00	GSA programming
6/27/2012	8.00	110.00	\$880.00	FWM GSA
6/28/2012	8.00	110.00	\$880.00	FWM GSA
6/29/2012	1.00	110.00	\$110.00	FWM GSA
Summary for Nate Lewis				
	30.00		\$3,300.00	

**Summary for Task 32.2 Bioaccumulation Model**

**50.75                      \$6,575.00**

**Task 36 Initial ERA Framework**

**Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/11/2012	2.00	160.00	\$320.00	BERA setup and planning
6/18/2012	1.00	160.00	\$160.00	work on rrm, bera
6/19/2012	3.00	160.00	\$480.00	continue to work on bera concepts and RRM
Summary for Lisa Saban	6.00		\$960.00	

**Matt Luxon**

Date	Hours	Rate	Extended	Notes
6/15/2012	1.00	150.00	\$150.00	Researching relative risk model decision trees.
Summary for Matt Luxon	1.00		\$150.00	

**Summary for Task 36 Initial ERA Framework**  
**7.00 \$1,110.00**

**Task 36.1 Screening Assessment TRV Eval****Brian Church**

Date	Hours	Rate	Extended	Notes
6/6/2012	0.25	110.00	\$27.50	Data entry of COPEC table for SLERA (requested by Jessica H)
Summary for Brian Church	0.25		\$27.50	

**David DeForest**

Date	Hours	Rate	Extended	Notes
6/1/2012	0.25	150.00	\$37.50	Discussion and text to Jessica on TRVs.
Summary for David DeForest	0.25		\$37.50	

**Jennifer Parker**

Date	Hours	Rate	Extended	Notes
6/14/2012	0.50	150.00	\$75.00	Provided group with data for SFF and perch and eel.
Summary for Jennifer Parker	0.50		\$75.00	

**Jessica Huybregts**

Date	Hours	Rate	Extended	Notes
6/1/2012	7.50	110.00	\$825.00	SLERA tables
6/4/2012	7.00	110.00	\$770.00	Writing SLERA draft.
6/5/2012	7.00	110.00	\$770.00	Writing SLERA draft.
6/6/2012	7.00	110.00	\$770.00	Writing SLERA draft.
6/7/2012	7.00	110.00	\$770.00	Writing SLERA draft.
6/11/2012	3.00	110.00	\$330.00	QCd sediment screen
6/12/2012	4.00	110.00	\$440.00	QCd water screen and tissue screen
6/13/2012	5.00	110.00	\$550.00	SLERA flow charts and text re-organization
6/14/2012	7.00	110.00	\$770.00	SLERA reorganization. Investigated/coordinated data needs for new data request from Lisa (tissue and sediment).
6/18/2012	7.00	110.00	\$770.00	Wrote SLERA text
6/19/2012	6.00	110.00	\$660.00	Wrote SLERA text
6/20/2012	7.00	110.00	\$770.00	Wrote SLERA text
6/21/2012	6.00	110.00	\$660.00	Edited SLERA appendices.
6/22/2012	6.00	110.00	\$660.00	Edited SLERA text.
6/25/2012	6.00	110.00	\$660.00	Draft SLERA edits. Re-arranged Appendix C and main text.
6/27/2012	9.00	110.00	\$990.00	SLERA updates based on Lisa's feedback. Checked egg tissue tables.
6/28/2012	7.50	110.00	\$825.00	SLERA updates based on Lisa's feedback.
6/29/2012	4.50	110.00	\$495.00	Updated Appendix B tables for normalized mussel data. Edited SLERA text.
Summary for Jessica Huybregts				
	113.50		\$12,485.00	

**Kim Galimanis**

Date	Hours	Rate	Extended	Notes
6/19/2012	0.50	110.00	\$55.00	flowcharts for draft SLERA for Jessica
6/20/2012	0.50	110.00	\$55.00	new flowchart for draft SLERA
Summary for Kim Galimanis				
	1.00		\$110.00	

**Kim Goffman**

Date	Hours	Rate	Extended	Notes
6/4/2012	2.00	110.00	\$220.00	Build new tissue EPC groups and queries for empirical tissue screen.
6/5/2012	2.00	110.00	\$220.00	Continue building empirical tissue screen.

6/6/2012	4.00	110.00	\$440.00	Continue building empirical tissue screen.
6/7/2012	4.00	110.00	\$440.00	Export results of empirical tissue screen.
6/14/2012	1.00	110.00	\$110.00	Identify additional SLERA scenarios to summarize.
6/18/2012	6.00	110.00	\$660.00	Prepare summary stats for all tissue/sediment by habitat and reach.
6/19/2012	6.00	110.00	\$660.00	Finish preparing summary stats for all tissue/sediment by habitat and reach.
6/20/2012	2.00	110.00	\$220.00	Screen sediment DLs and summarize results for SLERA.
6/21/2012	2.00	110.00	\$220.00	Document usage of summary stats workbook for inclusion in the SLERA appendix.
6/25/2012	4.00	110.00	\$440.00	Create additional sediment summary groups for SLERA appendix.
6/27/2012	5.00	110.00	\$550.00	QC tissue graphs. Prepare fish catch summaries. Screen fresh/est water and summarize exceedances.
Summary for Kim Goffman				
	38.00		\$4,180.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/15/2012	2.00	160.00	\$320.00	sow for amended 36.1 planning
6/18/2012	1.00	160.00	\$160.00	work on slera
6/19/2012	3.00	160.00	\$480.00	review current draft of slera and give direction
Summary for Lisa Saban				
	6.00		\$960.00	

### Shana Hinds

Date	Hours	Rate	Extended	Notes
6/19/2012	7.75	90.00	\$697.50	Edit & format SLERA
6/21/2012	4.50	90.00	\$405.00	Edit Attachment 1 of SLERA
6/25/2012	1.00	90.00	\$90.00	Appendix B
6/26/2012	7.00	90.00	\$630.00	Edit SLERA main text & Appendix A
6/27/2012	2.00	90.00	\$180.00	Edit Appendix A
Summary for Shana Hinds				
	22.25		\$2,002.50	

### Shannon Katka

Date	Hours	Rate	Extended	Notes
6/6/2012	2.75	150.00	\$412.50	review/ meeting with Jessica on SLERA draft
6/7/2012	1.25	150.00	\$187.50	begin review of SLERA report
6/11/2012	0.75	150.00	\$112.50	review prey portion evaluation figures and analysis

6/12/2012	2.25	150.00	\$337.50	work on fish egg analysis - review methods for using lipids to estimate egg concentrations; review data from Newark Bay on reproductive biomarker analysis
6/14/2012	1.50	150.00	\$225.00	work with Jessica on SLERA flow chart diagrams; provide home range information for dietary exploratory analysis
6/18/2012	0.50	150.00	\$75.00	work with Jessica on SLERA decision flow charts
6/19/2012	0.75	150.00	\$112.50	continue to work with Jessica on SLERA decision flow charts and SLERA process graphics
6/20/2012	4.75	150.00	\$712.50	begin review of draft SLERA document
6/21/2012	5.00	150.00	\$750.00	continue review of draft SLERA document (main text and Appendix C)
6/22/2012	6.50	150.00	\$975.00	finish review of draft SLERA document (main text and Appendix C)
6/25/2012	3.75	150.00	\$562.50	review of dietary assumptions table for SLERA report and begin review appendix A
6/26/2012	2.50	150.00	\$375.00	prepare Appendix B HQ tables and QC calculation results to summary tables in text; revisions to SLERA document per Lisa comments
6/27/2012	4.75	150.00	\$712.50	complete preparation of Appendix B HQ tables, continue QC calculation results to summary tables in text; revisions to SLERA document per Lisa comments
6/28/2012	3.25	150.00	\$487.50	revisions to SLERA document per Lisa comments
Summary for Shannon Katka				
	40.25		\$6,037.50	
<b>Summary for Task 36.1 Screening Assessment TRV Eval</b>				
<b>222.00</b>		<b>\$25,915.00</b>		

## Task 36.2 Initial Benthic Assessment

Brian Church

Date	Hours	Rate	Extended	Notes
6/1/2012	6.00	110.00	\$660.00	Created graphs, tables, slides, and some additional scatterplots of toxicity and non-chemical stressors; dealt with minor graphic editing issues
6/5/2012	0.50	110.00	\$55.00	Working on presentation for Lisa
6/11/2012	4.00	110.00	\$440.00	Meeting with Mike and Lisa (etc) to discuss the direction of data exploration, next steps, and the reception of past investigation by clients; discussed benthic taxa database with NAM; email exchange with Lucinda on next steps and finer details of log transformed data
6/12/2012	7.75	110.00	\$852.50	PCA of log transformed data; selected variables for shortlist; phone conversation with Lucinda prior to analyses to ensure that results are useful
6/13/2012	6.50	110.00	\$715.00	second PCA, discussing implications with Lucinda; created second short list of chemicals based on PCA data

6/14/2012	6.25	110.00	\$687.50	Working through PCA information and comparing recent results to non-log transformed results in order to best address how data should be treated prior to use in MLR/FSR/BSR partial regressions; summarizing data and repeating shortlist recommendations for all applicable PCAs.
6/15/2012	4.50	110.00	\$495.00	Continued to work with PCA summaries, discussed specific findings from summary and analyses with Lucinda; addressing new questions; creating histograms of log data to show whether or not the short-listed chemical and non-chemical variables are truly meaningful and representative, since odd distributions may still be driving PCA
6/18/2012	2.50	110.00	\$275.00	Developing shortlist; conducting PCA and correlations; analyzing results with Lucinda
6/19/2012	7.00	110.00	\$770.00	Phone discussion with lucinda, meeting with Lisa and Mike to discuss shortlist and how to conduct regression analyses; running last PCA analyses and answering other small exploratory questions; summarizing results of PCA; creating blurbs for data transfer to client
6/20/2012	8.00	110.00	\$880.00	MLR, FSR, BSR as well as creating slides and discussing analyses with Lucinda; creating blurbs for data transfer to client
6/21/2012	8.00	110.00	\$880.00	MLR, FSR, BSR as well as creating slides and discussing analyses with Lucinda; creating blurbs for data transfer to client (with picture)
6/22/2012	7.00	110.00	\$770.00	Phone meeting for steps and slides; continued with MLR, FSR, and BSR; repeated analyses with standardized process for ALL metrics as well as toxicity endpoints; began to format summary table; created
6/25/2012	7.00	110.00	\$770.00	creating and editing slides, running additional FSR/BSR to verify results, discussing results with Lucinda
6/26/2012	2.75	110.00	\$302.50	Discussed data with Susie, edited and re-edited slides for Mike and Lisa;
6/27/2012	1.75	110.00	\$192.50	Fielding questions about FSR/BSR results and slide edits (from Mike J and Lisa); emailing some of the implications with Lucinda
6/28/2012	2.00	110.00	\$220.00	Discussed data with NAM and potential implications of the FSR/BSR modeling results; ran a river-wide analysis of Hyalella survival split by % fines (at 60%) to show other potential trends not due to river mile
6/29/2012	3.50	110.00	\$385.00	Responding to emails, rearranging documents and archiving obsolete workbooks, preparing benthic data from NAM for future analyses
Summary for Brian Church		85.00	\$9,350.00	

### Jennifer Parker

Date	Hours	Rate	Extended	Notes
6/26/2012	0.50	150.00	\$75.00	Providing detection frequency for sediment chemistry data for bioassay locations and answering questions about sediment dataset.
Summary for Jennifer Parker		0.50	\$75.00	



**Jenny Love**

Date	Hours	Rate	Extended	Notes
6/11/2012	2.25	90.00	\$202.50	Data entry related to benthic invertebrate pollution tolerance levels.
6/12/2012	4.50	90.00	\$405.00	Began researching life history and habitat information for benthic invertebrate insects.
6/13/2012	6.75	90.00	\$607.50	Continued benthic invertebrate life cycle and habitat research.
6/14/2012	3.75	90.00	\$337.50	Continued freshwater benthic invertebrate life cycle and habitat research.
6/15/2012	4.00	90.00	\$360.00	Completed initial freshwater benthic invertebrate life cycle and habitat research.
Summary for Jenny Love		21.25	\$1,912.50	

**Kay Hessemer**

Date	Hours	Rate	Extended	Notes
6/14/2012	0.50	70.00	\$35.00	Enter benthic references into Endnote database
6/15/2012	3.00	70.00	\$210.00	Enter benthic references into Endnote database
6/21/2012	6.50	70.00	\$455.00	Format and organize Excel data workbooks
6/25/2012	3.50	70.00	\$245.00	Format and organize Excel data workbooks
6/26/2012	6.50	70.00	\$455.00	Format and organize Excel data workbooks
Summary for Kay Hessemer		20.00	\$1,400.00	

**Kim Goffman**

Date	Hours	Rate	Extended	Notes
6/1/2012	1.00	110.00	\$110.00	Revise benthic COPC summaries for presentation.
6/4/2012	1.00	110.00	\$110.00	Respond to AECOM request for 'accessible' sediment locations in FSP dataset.
6/5/2012	0.50	110.00	\$55.00	Respond to AECOM request for 'accessible' sediment locations in FSP dataset.
Summary for Kim Goffman		2.50	\$275.00	

**Linda Marsh**

Date	Hours	Rate	Extended	Notes
6/4/2012	8.00	90.00	\$720.00	Revised maps of benthic chemistry to distinguish estuarine and freshwater areas.
6/7/2012	1.50	90.00	\$135.00	Continued making maps of estuarine and freshwater benthic COPCs compared to SLs.

6/11/2012	8.00	90.00	\$720.00	Continued working on maps of benthic COPCs compared to SLs.
6/12/2012	8.00	90.00	\$720.00	Continued working on maps of benthic COPCs compared to SLs.
6/13/2012	6.75	90.00	\$607.50	Continued working on maps of benthic COPCs compared to SLs.
6/14/2012	5.75	90.00	\$517.50	Continued working on maps of benthic COPCs compared to SLs.
6/15/2012	0.50	90.00	\$45.00	Finished working on map layers of primary benthic COPCs compared to SLs and began making layouts.
6/18/2012	5.00	90.00	\$450.00	Finished maps of 10 benthic COIs with SLs.
6/21/2012	2.25	90.00	\$202.50	Downloaded the 2011 bathymetry and began working on depth changes at SQT stations.
6/22/2012	5.75	90.00	\$517.50	Finished determining depth changes and uncertainty pre- and post- Irene at SQT stations.
6/25/2012	3.75	90.00	\$337.50	Identified SQT locations in preliminary benthic disturbance areas and continued making maps of COIs and SLs.
6/26/2012	2.25	90.00	\$202.50	Continued making maps of benthic COIs and SLs.
6/27/2012	7.00	90.00	\$630.00	Continued making maps of benthic COIs and SLs.
6/28/2012	8.00	90.00	\$720.00	Continued working on maps of benthic COIs and SLs.
Summary for Linda Marsh				
	72.50		\$6,525.00	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/4/2012	4.00	160.00	\$640.00	Prepare for benthic mgt
6/5/2012	8.00	160.00	\$1,280.00	continue to prepare for benthic mgt
6/6/2012	8.00	160.00	\$1,280.00	attend tc mgt
6/7/2012	8.00	160.00	\$1,280.00	attend rasc mgt
6/12/2012	2.00	160.00	\$320.00	benthic approach explor analysis direction to staff
6/21/2012	2.00	160.00	\$320.00	continue to track benthic exploratory analyses
Summary for Lisa Saban				
	32.00		\$5,120.00	

### Lucinda Tear

Date	Hours	Rate	Extended	Notes
6/11/2012	5.00	150.00	\$750.00	continue to work on benthic analyses; clarify approach for next steps with PCA to identify chemicals to use in MLR
6/12/2012	5.00	150.00	\$750.00	document approach, begin PCA using log transformed data; decide which normalizations to use
6/13/2012	8.00	150.00	\$1,200.00	review PCA results to date and continue PCA analyses
6/19/2012	4.00	150.00	\$600.00	Multiple linear regressions of benthic community indices vs. chemistry and nonchemical stressors
6/20/2012	4.00	150.00	\$600.00	Continue Multiple Linear Regressions

6/21/2012	8.00	150.00	\$1,200.00	Multiple linear regressions and investigate Tree models
6/22/2012	6.00	150.00	\$900.00	Multiple Linear regressions
6/25/2012	4.00	150.00	\$600.00	review and discuss MLR summary slides for presentation; provide additional support to Brian in understanding and communicating results
6/26/2012	4.00	150.00	\$600.00	Slides for future analyses with examples from dataset
6/27/2012	1.00	150.00	\$150.00	support interpreting MLR analyses; methods for NDs
6/28/2012	1.50	150.00	\$225.00	Support re: analyses of use of TOC/Fines instead of RM in MLRs.
6/29/2012	1.50	150.00	\$225.00	More support re: presence of interactions in MLRs depending on spatial scale of analysis
Summary for Lucinda Tear				
	52.00		\$7,800.00	

### Mike Johns

Date	Hours	Rate	Extended	Notes
6/4/2012	2.00	170.00	\$340.00	Work on presentation and RASC meeting prep
6/5/2012	3.00	170.00	\$510.00	Finish presentation to RASC
6/6/2012	8.00	170.00	\$1,360.00	Attend TC mtg
6/7/2012	8.00	170.00	\$1,360.00	Attend RASC mtg
6/11/2012	4.00	170.00	\$680.00	Benthic Meeting & analysis work
6/18/2012	4.00	170.00	\$680.00	Continue to work on benthic exploratory analysis
6/19/2012	2.00	170.00	\$340.00	Continue to work on benthic exploratory analysis
Summary for Mike Johns				
	31.00		\$5,270.00	

### Nancy Musgrove

Date	Hours	Rate	Extended	Notes
6/5/2012	4.00	150.00	\$600.00	continue with feeding guild/tolerance assessment for alternative analysis of benthic community health
6/6/2012	8.00	150.00	\$1,200.00	continue with feeding guild/tolerance assessment for alternative analysis of benthic community health
6/7/2012	2.00	150.00	\$300.00	continue with feeding guild/tolerance assessment for alternative analysis of benthic community health
6/11/2012	4.00	150.00	\$600.00	Expanding feeding guild/tolerance information. Create table of attributes for use in database to update benthic analyses
6/12/2012	7.50	150.00	\$1,125.00	Literature search for life history, successional stage
6/13/2012	5.50	150.00	\$825.00	more on building benthic attribute database
6/14/2012	3.00	150.00	\$450.00	continued work on the benthic attributes to be used for data/risk evaluations
6/15/2012	2.00	150.00	\$300.00	follow up on references for benthic attributes table. coordinate with Jenny

6/25/2012	4.00	150.00	\$600.00	Worked on completing attributes table. Include literature search, evaluation, and compilation of life history information that would allow assignment of successional stage
6/26/2012	2.00	150.00	\$300.00	Worked on completing attributes table. Include literature search, evaluation, and compilation of life history information that would allow assignment of successional stage
6/27/2012	2.00	150.00	\$300.00	Worked on completing attributes table. Include literature search, evaluation, and compilation of life history information that would allow assignment of successional stage
6/28/2012	2.00	150.00	\$300.00	Worked on completing attributes table. Include literature search, evaluation, and compilation of life history information that would allow assignment of successional stage
6/29/2012	8.00	150.00	\$1,200.00	Worked on completing attributes table. Include literature search, evaluation, and compilation of life history information that would allow assignment of successional stage. completed summary of distribution of successional stage.
Summary for Nancy Musgrove				
	54.00		\$8,100.00	

### Shana Hinds

Date	Hours	Rate	Extended	Notes
6/20/2012	3.50	90.00	\$315.00	Standardization of Excel table format
Summary for Shana Hinds				
	3.50		\$315.00	

**Summary for Task 36.2 Initial Benthic Assessment**  
**374.25                      \$46,142.50**

## Task 36.3 Initial Exposure Assessment

### Berit Bergquist

Date	Hours	Rate	Extended	Notes
6/1/2012	3.50	150.00	\$525.00	prepare draft ERA outline with emphasis on non-chemical stressors
6/5/2012	5.00	150.00	\$750.00	Evaluate effects of SUFs on screening risk calculations; research urban watershed risk analysis issues for ERA outline
6/7/2012	2.00	150.00	\$300.00	Continue evaluating effects of SUFs on screening risk calculations for great blue heron and kingfisher
6/8/2012	3.00	150.00	\$450.00	begin organizing and summarizing information on blue crab movements/migrations
6/12/2012	3.75	150.00	\$562.50	evaluate site use information for crab
6/13/2012	6.25	150.00	\$937.50	evaluate site use information for crab; exploratory analysis of exposure areas

6/14/2012	7.50	150.00	\$1,125.00	evaluate site use information for white perch and American eel; exploratory analysis of exposure areas
6/15/2012	8.00	150.00	\$1,200.00	evaluate site use information for American eel and carp; exploratory analysis of exposure areas
6/19/2012	5.50	150.00	\$825.00	continue with exploratory exposure analysis; continue evaluating fish receptor site use
6/20/2012	3.50	150.00	\$525.00	continue exploratory exposure analysis; discuss options with Suzanne; evaluate existing data
6/21/2012	5.50	150.00	\$825.00	continue exploratory exposure analysis; assist with presentation
6/22/2012	1.00	150.00	\$150.00	continue exploratory exposure analysis; begin summarizing options for each ROC
6/27/2012	1.50	150.00	\$225.00	find and review salinity data for white perch site use
Summary for Berit Bergquist		56.00	\$8,400.00	

### Brian Church

Date	Hours	Rate	Extended	Notes
6/13/2012	0.25	110.00	\$27.50	Collecting articles from UW database for Berit B
Summary for Brian Church		0.25	\$27.50	

### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/3/2012	2.00	160.00	\$320.00	review initial exploratory analysis with @ risk
6/4/2012	1.00	160.00	\$160.00	develop prst with @ risk
6/12/2012	1.00	160.00	\$160.00	discussion with staff and direction
6/21/2012	4.00	160.00	\$640.00	exploratory analyses for passaic exposure
6/26/2012	8.00	160.00	\$1,280.00	prep for rasc meeting
6/27/2012	8.00	160.00	\$1,280.00	prep for rasc mgt, tc mgt
6/28/2012	8.00	160.00	\$1,280.00	rasc mgt
Summary for Lisa Saban		32.00	\$5,120.00	

### Mike Johns

Date	Hours	Rate	Extended	Notes
6/26/2012	5.00	170.00	\$850.00	Finish presentations to RASC
6/27/2012	8.00	170.00	\$1,360.00	Attend TC meeting
6/28/2012	8.00	170.00	\$1,360.00	Attend RASC meeting
Summary for Mike Johns		21.00	\$3,570.00	

**Suzanne Replinger**

Date	Hours	Rate	Extended	Notes
6/1/2012	3.50	110.00	\$385.00	calculation set-up and runs for additional receptors
6/4/2012	5.50	110.00	\$605.00	additional probabilistic dietary analyses, prep of slides for RARC meeting
6/5/2012	3.50	110.00	\$385.00	SUF considerations
6/6/2012	5.25	110.00	\$577.50	SUF considerations, additional @RISK simulation runs for dietary analysis
6/7/2012	4.00	110.00	\$440.00	SUF considerations, creation of table summarizing options for SUF and potential for smaller exposure area
6/8/2012	2.50	110.00	\$275.00	simulation runs using SUF distributions
6/11/2012	2.50	110.00	\$275.00	SUF and smaller spatial scale considerations
6/12/2012	3.50	110.00	\$385.00	mummichog egg write-up, probabilistic evaluation options/action items from meeting
6/13/2012	2.50	110.00	\$275.00	probabilistic exploratory analysis, home range/exposure scale
6/14/2012	5.00	110.00	\$550.00	probabilistic exploratory analysis, home range/exposure scale, concentration by reach comparison for blue crab
6/15/2012	3.50	110.00	\$385.00	probabilistic exploratory analysis, home range/exposure scale, concentration by reach comparison for blue crab
6/18/2012	5.00	110.00	\$550.00	probabilistic analyses for additional receptors
6/19/2012	1.75	110.00	\$192.50	probabilistic analyses for additional receptors
Summary for Suzanne Replinger		48.00	\$5,280.00	

**Summary for Task 36.3 Initial Exposure Assessment**  
**157.25                      \$22,397.50**

**Task 36.4 Initial Uncertainty Analysis****Lisa Saban**

Date	Hours	Rate	Extended	Notes
6/11/2012	1.00	160.00	\$160.00	discussion with staff and direction on explor exposure
6/18/2012	1.00	160.00	\$160.00	uncertainty eval
6/20/2012	2.00	160.00	\$320.00	continue to work on uncertainty eval
Summary for Lisa Saban		4.00	\$640.00	

**Suzanne Replinger**

Date	Hours	Rate	Extended	Notes
6/20/2012	3.50	110.00	\$385.00	uncertainty analyses for June 28 mtg

6/21/2012	3.25	110.00	\$357.50	uncertainty analyses for June 28 mtg
Summary for Suzanne Replinger				
	6.75		\$742.50	

**Summary for Task 36.4 Initial Uncertainty Analysis**  
**10.75                      \$1,382.50**

## Task 37 DO Monitoring Program

### Jennifer Parker

Date	Hours	Rate	Extended	Notes
6/14/2012	1.25	150.00	\$187.50	Reviewed DO QAPP and OSI bid and began to create PO. Confirmed subcontract agreement was in place and reviewed status of insurance certificates and W9 forms.
6/15/2012	1.00	150.00	\$150.00	Finished draft PO for OSI and discussed tentative schedule with OSI.
6/19/2012	5.00	150.00	\$750.00	Created RTC table and began to address first set of CPG comments. Worked with GIS staff to begin to revise map. Found and downloaded YSI manuals.
6/20/2012	7.00	150.00	\$1,050.00	Continued to revise QAPP and update RTC. Discussed map and sample locations with OSI. Worked with GIS staff to revise map based on CPG and OSI comments. Reviewed NJ water quality standards and incorporated them into QAPP. Addressed PM review comments.
6/21/2012	3.00	150.00	\$450.00	Continued to address PM review comments on QAPP and RTC. Addressed editor's review comments on QAPP and RTC. Prepared document for delivery to dmi.
6/29/2012	1.50	150.00	\$225.00	Prepared QAPP and map for delivery to EPA and sent to dmi. Discussed schedule with PM and OSI. Finalized OSI PO and sent to OSI.
Summary for Jennifer Parker				
	18.75		\$2,812.50	

### Karen Tobiason

Date	Hours	Rate	Extended	Notes
6/7/2012	0.50	150.00	\$75.00	Provide input to DO monitoring QAPP.
Summary for Karen Tobiason				
	0.50		\$75.00	

### Linda Cognato

Date	Hours	Rate	Extended	Notes
6/11/2012	6.00	110.00	\$660.00	Editing/formatting of DO QAPP addendum. Reviewed and edited text, formatted tables, checked acronyms, created acronym table, fixed document formatting, changed date, checked and fixed headers and footers, identified and fixed inconsistencies, accepted redlined comments, created clean copy for client.

6/12/2012	2.00	110.00	\$220.00	Review of final changes to DO QAPP addendum. Reviewed and edited changes, updated reference list, updated TOC, accepted redline changes, checked headers and footers, added some missing information.
6/21/2012	5.00	110.00	\$550.00	Review/editing of revised DO QAPP addendum. Incorporated review comments, reviewed and edited revised text, identified and resolved issues, changed date, checked headers and footers, checked TOC, reviewed and edited RTC, identified and resolved RTC issues, created redline and clean copies for delivery to client
Summary for Linda Cognato		13.00	\$1,430.00	

#### Linda Marsh

Date	Hours	Rate	Extended	Notes
6/5/2012	1.50	90.00	\$135.00	Began revising the map of proposed dissolved oxygen stations for slide projection.
6/6/2012	3.00	90.00	\$270.00	Finished revising the map of proposed dissolved oxygen stations for powerpoint.
6/20/2012	2.00	90.00	\$180.00	Edited the DO locations per comments and revised the map.
6/21/2012	0.50	90.00	\$45.00	Revised the map of DO locations.
Summary for Linda Marsh		7.00	\$630.00	

#### Lisa Saban

Date	Hours	Rate	Extended	Notes
6/6/2012	2.00	160.00	\$320.00	review do qapp work tables
6/10/2012	3.00	160.00	\$480.00	continue to prepare for DO program. Send qapp to rasc.
6/20/2012	4.00	160.00	\$640.00	respond to CPG cmts on DO QAPP
6/21/2012	1.00	160.00	\$160.00	wrap up DO QAPP and send to rob
6/24/2012	2.00	160.00	\$320.00	prep for mgt re DO qapp
Summary for Lisa Saban		12.00	\$1,920.00	

#### Thai Do

Date	Hours	Rate	Extended	Notes
6/7/2012	6.00	110.00	\$660.00	Update QAPP Addendum, add WS 13, review PVSC document from previous monitoring
6/8/2012	4.00	110.00	\$440.00	Review AECOM PWCM data for WS 13 QAPP addendum; finalise draft addendum
6/15/2012	0.25	110.00	\$27.50	Coord. with Jen for OSI PO support.
6/20/2012	0.50	110.00	\$55.00	Help Jen with QAPP comments and sub PO
Summary for Thai Do		10.75	\$1,182.50	



**Summary for Task 37 DO Monitoring Program**

<b>62.00</b>	<b>\$8,050.00</b>
--------------	-------------------

**Summary for Passaic RI**

<b>998.00</b>	<b>\$127,462.50</b>
---------------	---------------------

## Heidi Enders

**From:** Lisa Saban  
**Sent:** Monday, June 18, 2012 10:12 AM  
**To:** Heidi Enders  
**Subject:** FW: Confirmation Letter - IBMAYH 06/26/12 - from Alaska Airlines

Alaska receipt

*Passaic 36.3*

Lisa Saban  
Partner  
Windward Environmental, LLC  
200 West Mercer St., Suite 401  
Seattle, WA 98119  
206-399-6095 (cell)  
206-577-1288 (office)  
lisas@windwardenv.com  
www.windwardenv.com

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---

**From:** Alaska Airlines [mailto:Alaska.IT@alaskaair.com]  
**Sent:** Wednesday, June 13, 2012 2:00 PM  
**To:** Lisa Saban  
**Subject:** Confirmation Letter - IBMAYH 06/26/12 - from Alaska Airlines

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HOME	PLAN & BOOK	DEALS	DESTINATIONS	MILEAGE PLAN™		
Home	Reservations	Deals	Day of Flight	Destinations	Mileage Plan™	More...

**Confirmation Code: IBMAYH**

Below is your booking confirmation. Thank you and enjoy your trip.

— **Need to change your flight?** Visit us in advance, [online](#) or through [reservations](#).

Flight	Departs	Arrives	Class	Traveler(s)	Seat(s)
 Alaska Airlines 14 Boeing 737-800	Seattle, WA (SEA) Tue, Jun 26 3:35 pm	Newark-Newark Intl. (EWR) Tue, Jun 26 11:39 pm	F (First)	Michael Johns	3D
 Alaska Airlines 7 Boeing 737-800	Newark-Newark Intl. (EWR) Thu, Jun 28 6:15 pm	Seattle, WA (SEA) Thu, Jun 28 9:26 pm	F (First)	Michael Johns	2F

#### Summary of Airfare Charges

Michael Johns

Mileage Plan MVP Gold Member # \*\*\*\*6191

New Ticket 027-2188673232  
(previous ticket 027-2187936206)

New Ticket Value

\$1,569.60

Additional Amount Due

\$0.00

per person total:

\$0.00

Amount Due For Air Travel

USD \$0.00

Total Charges and Credits

No amount due.

#### Trip Protection by Allianz Global Assistance

Purchase trip protection benefits and travel assistance services for your trip from [Allianz Global Assistance](#). [Learn more](#)

#### Flight Status Alerts

When you create a Flight Status Alert, we notify you in the event of delays, early arrivals, and cancellations of Alaska Airlines flights (email or text message).

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##### Ride?

Use our car deal finder to [rent a car](#) in Newark-Newark Intl..

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Visa Information Management

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Visa Information Source

[Home](#) [Inbox](#) [Data Analysis](#) [Cost Allocation](#) [Cardholder Services](#)[My Settings](#) [Help](#)

Task 36.2

## Company Billing Detail

Company: WINDWARD ENVIRONMENTAL  
Card Type: Purchasing  
Organization: WINDWARD ENVIRONMENTAL  
Card Account: All card accounts  
Cycles: Billing from 05/16/2012 to 06/15/2012

## All Billing Accounts

[Send to Inbox](#)[Close Report](#) ☒

Billing Account  
Billing Period End Date  
Cardholder Name

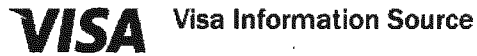
Card Account No.	Transaction Date	Posting Date	Department	Transaction Amount	Supplier Name	Supplier Location
05/22/2012		05/23/2012			US, 800-331-0500 GA	
05/22/2012		05/24/2012		(477.00)	ALASKA AIR 0272187278956	
05/23/2012		05/25/2012			US, SEATTLE WA	6
05/30/2012		06/01/2012		35	US, SEATTLE WA	
05/31/2012		06/01/2012			US, 800-331-0500 GA	
06/01/2012		06/08/2012			US, SEATTLE WA	
06/01/2012		06/04/2012			US, PORTLAND OR	NY
06/01/2012		06/04/2012			US, SEATTLE WA	551
06/01/2012		06/04/2012			US, SEATTLE WA	OM
06/01/2012		06/04/2012			US, PORTLAND OR	
06/01/2012		06/04/2012			US, PORTLAND OR	

credit

Showing Page 2 of 19 [First](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next 10](#) [Last](#)

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Server name



Purchasing Transaction Line Item Detail

Task 36.2

[Send to Inbox](#)

[Close Report](#) ☒

<b>Cardholder Name</b>	MIKE JOHNS	<b>Transaction Amount</b>	
<b>Cardholder Acct No.</b>	4807 0730 0346 1401	<b>Tax Amount</b>	46.00 USD
<b>Transaction Date</b>	06/08/2012		
<b>Order Date</b>	06/08/2012		
<b>Supplier Name</b>	PUGET SOUND DISPATCH	<b>Duty Amount</b>	0.00 USD
<b>Supplier Location</b>	US, Seattle WA	<b>Discount Amount</b>	0.00 USD
<b>Source Postal Code</b>		<b>Freight Amount</b>	0.00 USD
<b>Destination Postal Code</b>		<b>Freight/Shipping VAT/Tax Amt</b>	0.00 USD
<b>Destination Country Name</b>	UNITED STATES OF AMERICA	<b>Freight/Shipping VAT/Tax Rate</b>	0.00
<b>Customer Code (CRI)</b>			

- End of Report -

Showing Page 1 of 1

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Server name

## Heidi Enders

**From:** Lisa Saban  
**Sent:** Monday, June 18, 2012 10:13 AM  
**To:** Heidi Enders  
**Subject:** FW: Confirmation Letter - KPRDZD 06/26/12 - from Alaska Airlines

Alaska receipt

Passaic  
36.3

Lisa Saban  
Partner  
Windward Environmental, LLC  
200 West Mercer St., Suite 401  
Seattle, WA 98119  
206-399-6095 (cell)  
206-577-1288 (office)  
lisas@windwardenv.com  
www.windwardenv.com

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---

**From:** Alaska Airlines [mailto:Alaska.IT@alaskaair.com]  
**Sent:** Wednesday, June 13, 2012 2:06 PM  
**To:** Lisa Saban  
**Subject:** Confirmation Letter - KPRDZD 06/26/12 - from Alaska Airlines

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HOME	PLAN & BOOK	DEALS	DESTINATIONS	MILEAGE PLAN™		
Home	Reservations	Deals	Day of Flight	Destinations	Mileage Plan™	More...

**Confirmation Code: KPRDZD**

Below is your booking confirmation. Thank you and enjoy your trip.

— **Need to change your flight?** Visit us in advance, [online](#) or through [reservations](#).

Flight	Departs	Arrives	Class	Traveler(s)	Seat(s)
<div>Alaska Airlines 14 Boeing 737-800</div>	Seattle, WA (SEA) Tue, Jun 26 3:35 pm	Newark-Newark Intl. (EWR) Tue, Jun 26 11:39 pm	F (First)	Lisa Saban	3F
<div>Alaska Airlines 7 Boeing 737-800</div>	Newark-Newark Intl. (EWR) Thu, Jun 28 6:15 pm	Seattle, WA (SEA) Thu, Jun 28 9:26 pm	Y (Coach)	Lisa Saban	7E

#### Summary of Airfare Charges

Lisa Saban

Mileage Plan MVP Gold Member # \*\*\*\*6635

New Ticket 027-2188673267

(previous ticket 027-2187936205)

New Ticket Value

Additional Amount Due

per person total:

\$1,394.60\*

\$0.00\*

\$0.00\*

Amount Due For Air Travel

USD \$0.00\*

#### Total Charges and Credits

\$175.00 will be refunded to original form of payment within 7 business days.

#### Trip Protection by Allianz Global Assistance

Purchase trip protection benefits and travel assistance services for your trip from [Allianz Global Assistance](#). [Learn more](#)

#### Flight Status Alerts

When you create a Flight Status Alert, we notify you in the event of delays, early arrivals, and cancellations of Alaska Airlines flights (email or text message).

Create Alert

#### Hotels & Cars

##### Hotel?

Use our hotel deal finder to [book a hotel](#) in Newark-Newark Intl.

##### Ride?

Use our car deal finder to [rent a car](#) in Newark-Newark Intl..

Get the Signature Card

## Heidi Enders

---

**From:** Lisa Saban  
**Sent:** Wednesday, May 23, 2012 2:35 PM  
**To:** Heidi Enders  
**Subject:** FW: Duplicate Receipt sent from alaskaair.com

Lisa Saban  
Partner  
Windward Environmental, LLC  
200 West Mercer St., Suite 401  
Seattle, WA 98119  
206-399-6095 (cell)  
206-577-1288 (office)  
[licas@windwardenv.com](mailto:licas@windwardenv.com)  
[www.windwardenv.com](http://www.windwardenv.com)

LPR  
Task 36.2

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---

**From:** Alaska Airlines [<mailto:alaska.it@alaskaair.com>]  
**Sent:** Thursday, May 17, 2012 3:43 PM  
**To:** Lisa Saban  
**Subject:** Duplicate Receipt sent from alaskaair.com

This duplicate receipt has been sent to you from alaskaair.com with the following message:

Please charge to Passaic

Thank you for choosing Alaska Airlines!

This is an auto-generated e-mail. If you have questions, please contact Alaska Airlines Reservations at 1-800-252-7522 (TTY/TDD 1-800-682-2221).



## Traveler Information

Traveler	Seats °	Additional Service Requested	Required Traveler Documentation
Name: Michael Johns			
MP#: Alaska 12486191 - Gold	1D, 1C		Enter Known Traveler/Redress number
E-Ticket: 0272187278955			
Name: Lisa Saban			
MP#: E-Ticket: 0272187278956	1F, 1A		Enter Known Traveler/Redress number

° Air Carrier Access Act requires us to make certain seats available to customers with disabilities. If you are assigned one of these seats and a qualified person requests it, you will be reaccommodated at the airport in another seat.

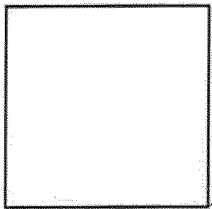
## Flights

Flight Confirmation Code: **NHEGGH**

**Flight**

**Departs**

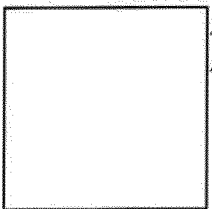
**Arrives**



Alaska Airlines 14

[First](#) | [Nonstop](#) | [Details](#)

## Details for Flights



Alaska Airlines

14 Depart Seattle, WA 3:35 pm,  
(SEA) Jun 05  
Arrive Newark-Newark 11:39 pm,  
Intl. (EWR) Jun 05

Seattle, WA  
(SEA)  
**3:35 pm** Tue,  
Jun 5

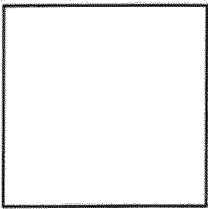
Newark-Newark  
Intl. (EWR)  
**11:39 pm** Tue,  
Jun 5

Duration: 5h 4m | Distance: 2394 | % on-time:  
n/a | % late 30+ min: n/a | % cancelled: n/a  
Aircraft: Boeing 737-800 | Meal: Dinner \*\*

Performance data is based on previous month

\*\* Special meal requests are not available.

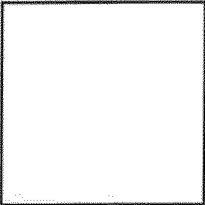
Total: 2,394 mi | 5 h 4 m



Alaska Airlines 7

First | Nonstop | [Details](#)

## Details for Flights



Alaska  
Airlines

7 Depart Newark-Newark 6:15 **pm**,  
Intl. (EWR) Jun 08

Arrive Seattle, WA 9:26 **pm**,  
(SEA) Jun 08

Newark-Newark Seattle, WA  
Intl. (EWR) (SEA)  
**6:15 pm** Fri, Jun **9:26 pm** Fri, Jun  
8 8

Duration: 6h 11m | Distance: 2394 | % on-time:  
56% | % late 30+ min: 31% | % cancelled: n/a  
Aircraft: Boeing 737-800 | Meal: Dinner \*\*

Performance data is based on previous month  
\*\* Special meal requests are not available.

Total: 2,394 mi | 6 h 11 m

### Total Price for 2 Travelers

\$3,139.20 including taxes & fees

## Price Breakdown for Flights

	Fare	Taxes & Fees	Charges
--	------	-----------------	---------

Airfare for Michael	\$1,548.00	\$21.60	\$1,569.60 ✓
------------------------	------------	---------	--------------

Johns :

Airfare for Lisa	\$1,548.00	\$21.60	\$1,569.60 ✓
---------------------	------------	---------	--------------

Saban :

Amount Charged: \$3,139.20

The fare quote includes base fare,  
U.S. Federal taxes, and any  
applicable surcharges.

Each line item will be a separate  
charge on your credit card  
statement.

[Low Price Guarantee](#)

**\$3,139.20 USD**Currency Converter**PRICE SUMMARY****Flight**

The VISA ending with \*\*\*\*\*1401 has been charged a total of USD \$3,139.20. For additional assistance with your reservation call Alaska Airlines Reservations at 1-888-345-3640.

**Fare Taxes & Fees Charges**

Airfare for Michael Johns : \$1,548.00 \$21.60 \$1,569.60

Airfare for Lisa Saban : \$1,548.00 \$21.60 \$1,569.60

Amount Charged: \$3,139.20

**RULES & RESTRICTIONS****Flight**

- This fare is fully refundable.
- Your itinerary may be changed without a service fee.
- Changes to your current itinerary may result in a higher fare and an additional collection of funds.
- Promotional discounts cannot be applied to already purchased reservations.
- View all fare rules
- Checked Baggage Fee(s) may apply.

*Passaic*  
*High Light Cash*  
**TAXI CASH RECEIPT**  
Newark, N.J.  
Cab. No. 213 Date 06 02 92  
Pick-up from Newark Penn Station  
To W. Airport  
Amount \$ 20.00  
☐ Inc. Tolls    ☐ Luggage    ☐ Several Stops  
☐ Tips    ☐ \$1.00 for luggage 24" size